Assignment 1-4   The Sides of Right Triangles

You are given three positive integers. In this problem you'll have to find out whether the given integers could be the sides of a right triangle.

Input

The input consists of exactly one line with three integers in the range [1, 10000], separated by a single space.

Output

You are to output a single line to answer whether the given integers could be the sides of a right triangle.

Sample Input 1

3 4 5

Sample Output 1

These integers form a right triangle

Sample Input 2

5 12 14

Sample Output 2

These integers do not form a right triangle